

From boatanchors@theporch.com Tue Jul 16 20:25:05 1996
From: n5off@w5ddl.aara.org
Subject: 390A Construction Specs
Message-ID: <418539@w5ddl.aara.org>

I have a copy of the construction specs for manufacture of the 390A.
I am willing to copy and mailout copies to interested parties for \$9.00,
but I only want to make one run to Kinko's/Post Office.

Anyone interested, please send a check to:

TF Marcotte
111 Destiny Dr
Lafayette, LA 70506

The drop dead on receipt of letters is 8/1. After that date, I will do the
Kinko thing and mailout.

The specification is one of the documents necessary to bid on a 390A contract.
It is 42 pages in length, and covers:

References to other specs for materials
References to drawings (not in this spec)
Description
Wiring
Soldering
Marking
Serial numbers
Finish
on and on,

There is also a section including the most extensive testing procedure of
this equipment I've ever seen.

There is a terrific section on testing. It includes shock and bounce tests
borrowed from UPS.

This is a neat document, with much more complete documentation of specs
than any manual.

If you

From boatanchors@theporch.com Tue Jul 16 10:36:32 1996
From: "Edward J. Zeranski" <ejz@nosc.mil>

Subject: Re: 390A SN's

Message-ID: <2.2.32.19960716132803.006e2274@marlin.nosc.mil>

At 18:17 7/15/96 -0500, you wrote:

>Hello all ...

>

>Questions on 390A serial numbers:

>1. Which is the valid serial number of record for these units - the one
>on the removable front panel plate or the ink stamped serial number on
>the back of the chassis?

>3. What number did the military use to track and identify individual units?

>

>Thanks for your perspective!

>

>Dan

>WB4GRA

>

> Before grey hair and glasses I worked in two depot facilities
working receivers, Arc-27s, radars, etc. The work orders went by the front
plate serial # for entire units. Modules were tracked through the shop by
serial also but after buildup the main assy serial # took over. We had one
ARC-27, #BRF-001, that came through for rehab that we dubbed "Noah's ARC".

Ed Zeranski ejz@marlin.nosc.mil, work
 ezeran@cris.com home

Wooden Boats, Tube Receivers, Rusty Old Trucks, The Good Stuff!

This is a private opinion or statement and is nobody's fault but mine. No
person, employer, or govt. should try to take credit for it!

From boatanchors@theporch.com Tue Jul 16 10:36:32 1996

From: radiorob@serix.com (Robert Ross)

Subject: A Few More BA Paper Items for SALE!!!!

Message-ID: <199607160103.BAA04420@cm.serix.com>

Hello Guys:

Thanks to the many who have purchased items from the past few postings
I've made. A lot of the items are gone....so act quickly if you want any of
the remainder....they're flying out of here!!!
Here's a few more things that are gathering dust if anyone can use them.....

All prices are in USA Dollars and Shipping is extra. Please Email me
directly to reserve items or to ask questions.

ROBERT S. ROSS VA3SW
Box 1003, Stn. B
LONDON, ONTARIO
CANADA
N6A5K1

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Canadian Heathkit Catalogs- 3 Different....1984,1986,1988 all nice shape

.....\$5.00 USA for all

Package of old 1940's/50's Receiver and Transmitter ADS from QST
Mags...great reference material.....and some nice photos of old rigs!!

.....\$2.00 USA

Zenith Model M660 Multiband AM/SW Receiver ...ORIGINAL DEALER SERVICE
MANUAL. Has a photo of rig, service notes, schematic and parts
list....1950's?? EXC. Shape

.....\$3.00 USA

Electric Radio.....5 Different issues....# 43,44,57,59,60. 1992-94

Exc. Condition\$8.00 USA
for all 5

GE Ham News 1950 " DX LOG"...official Country and Prefix List...New Condition

.....\$2.00 USA

Morse Code Key collecting Articles.....several articles on Key collecting
from various Mags..... Including...History of the Canadian Key, and an
article on J.H. Bunnell Company.....

.....\$2.00 USA

Package of OLD Electronics Magazine Pull out order forms...Allied,
Lafayette, Radio and Tv News,Heathkit etc.....1940's to 60's!!

.....\$2.00 USA

RCA Mark VIII Radio Phone Type No. 17704 27 Mcs Citizens Band Radio. 1962 Original Instruction Manual. VG+ Condition.

.....\$5
.00 USA

Johnson Messenger CB Model 242-126. 1962 Original Service Manual with Schematic, Photo circuit layout, and service data. Exc Condition.

.....
\$3.00 USA

Package of OLD TUBE ADS from magazines....1940's to 60's. Neat pictures of old tubes!!!

.....
\$2.00 USA

Package of OLD MICROPHONE ADS from magazines..1940's to 60's Neat pictures of old MICS!!

.....
.\$2.00 USA

Heath Kit Manuals...4 Different HI-FI Record Changers....GD-16,AD-50(have 2 of these), RP-3,AD92,

all 5 manuals for.....\$5.00 USA

PR Crystals 1950's catalog..with color cover.....Exc shape.....\$2.00 USA

Leak Point One TL-12 HI-FI amp . Article/ Review from HI FI World 1994. Photocopied.....Parts 1 and 2.

.....\$2.00 USA

Canadian Aviation Electronics ..SIGNAL MAGAZINE. Feb. 1956 EXC Shape....\$2.00 USA

Hammond Transformer Co. Guelph, Ont. Small Blank note pad with a photo of a transformer and the company name on the front!!! 1950's???? Exc. Shape.

.....\$2.00 USA

Wholesale Radio Co. Toronto, Canada.....Battery Price list...Feb. 01 1940.....
Exc. Shape

.....\$2

.00 USA

Puett Electronics...Antique Radio Topics and Classic Radio Newsletter....2
copies featuring Mc Murdo Silver and Scott Radios!!! Exc shape

.....\$5.00 USA

for both

Cornell Dublier Capacitor Catalog....Nov. 1948 Exc. Shape.....\$2.00 USA

National Radio News (N.R.I.) 30th Anniv issue 1944 Good Shape.....\$2.00 USA

Pilot Radio Data sheets for "Super Wasp"...photocopies.....\$2.00 USA

ARRL Booklet.." Operating an Amateur Radio Station 59th edition 1980
Exc. shape

.....\$2.00 USA

NBS Freq and Time Standards Booklet. US Dept of Commerce 1971. Info on
WWV/WWVH/WWVB/WWVL Exc. Shape

.....\$2.00 USA

2 Packs of old ADS1 for EICO, one for Lafayette!! Rigs, Test
Equipment etc.
1950's-60's mags.

both for.....\$2.00 USA

Pack of Old TUBE CB Ads...from 1950's-60's mags\$2.00 USA

RCA Application note 1948....Receiver Sensitivity and Gain Measurements at
High Frequencies. Exc Shape

.....\$2.00 USA

Sylvania Booklet..28 Uses for Junction Transistors...WHOOOPS!!!! 1960 EXC Cond.

.....\$2.00 USA

2 Booklets on Early FM Radio...Philco Service Bulletin on Frequency
Modulation...andRadio MFG Assoc. of Canada booklet .." How to Service
FM Radio Receivers" 1946 and 1948!!! Good Shape

.....\$3.00 USA for BOTH

Crown DC 300A Laboratory Amplifier...Original Instruction Manual. EXC Shape

..... \$3.00 USA

Package of Old AUDIO/HI-FI ADS from Magazines...1950's - 60's. Lots of
classic gear like Fisher, Macintosh, Marantz, Scott, Newcomb, Grommes etc.

.....\$2.00 USA

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That's it for now....hope you find something you like!!!

73....ROB.

Robert S. Ross VA3SW
London,Ontario,CANADA

RADIO DXer
ANTIQUe RADIO ENTHUSIAST

....."Stuck in a time warp, and lost in the ozone again" !!!!!!

From boatanchors@theporch.com Tue Jul 16 20:25:05 1996
From: jcreid@CCGATE.HAC.COM

Subject: BA Haulers

Message-ID: <9606168375.AA837546068@CCGATE.HAC.COM>

This is slightly off the BA track, so delete at will.

I was watching the last half of Red Ball Express last night on AMC. I was hoping to see some radio equipment, but all I caught were whip antennas. What really fascinated me was the trucks used for hauling all that stuff. Are those the proverbial "deuce and a quarters"? 10 wheelers with what looked like all wheel drive. Man, would I love to have one of those. Can you still find them? Reply to me directly to keep the bandwidth down.

-Jim N6SVS

jcreid@ccgate.hac.com

From boatanchors@theporch.com Tue Jul 16 10:36:32 1996

From: Michael Crestohl <mc@shore.net>

Subject: Collins 75S-2 question

Message-ID: <199607161123.HAA07169@northshore.shore.net>

Gang:

Clark Fishman recently asked about the Collins 75S-2 receiver - he wondered why the case said 75S-2 and the chassis 75S-1.

The answer is simple: The 75S-2 is simply a 75S-1 receiver with the additional crystal deck for extended coverage. It can be likened to the difference between a KWM-2 and a KWM-2A or a 75S-3B and a 75S3-C.

Hope this clears up the question, Clark.

73,

Michael Crestohl, KH6KD/W1

mc@shore.net

From boatanchors@theporch.com Tue Jul 16 20:25:05 1996

From: aculbert@pps1-po.phyp.uiowa.edu

Subject: DILEMMA

Message-ID: <199607161932.0AA14736@ns-mx.uiowa.edu>

I have a dilemma. I have a Viking I (4D32 final tube) transmitter that I have had for sometime that I was going to go through and put on the air. I acquired it sans cabinet.

I have since acquired a Viking II-CDC (factory wired with PTT), so I no longer have a need to proceed with the Viking I project.

OPTIONS (as I see it)

1) Proceed with the rebuild, in which case I need a good cabinet. Anybody got one they are willing to part with?

2) Sell the unit on a pick up basis or deliver to an area hamfest (I live in Iowa). I absolutely will NOT ship the unit as without the cabinet, it would surely be reduced to junk. The panel has one major scratch plus the additional holes for the added TVI shielding (IMHO, the panel of the Viking I is actually nicer appearing than the II). All knobs are correct and I have a manual copy. I have \$100 invested in the unit as it sits.

3) Part the unit out.

I have not tried to fire up the rig, as when acquired, it was missing the meter as well as the cabinet. I have since acquired the correct meter but have not gone any further.

Any offers or suggestions? I will answer all respondents, however I will be on vacation 7/19 through 7/29.

Al, KOAL

allan-culbert@uiowa.edu

From boatanchors@theporch.com Tue Jul 16 20:25:05 1996

From: lkayser@rideau.net (Larry Kayser)

Subject: Fred Sutter, W8QBW, A caution

Message-ID: <199607161749.NAA14626@mail.peterboro.net>

Fred Sutter published a number of articles in QST and Radio Club publications during the 1930's. His articles were all what we would call today "minimally engineered" that is to say he did neat tricks to reduce the parts count in his various projects.

One of the projects he published was the first I ever saw of a one tube transmitter design for the 117L7/M7 tube. This was a tetrode and diode with yes, a 117v filament. The design he published in that day appeared in QST and with the general knowledge of the day was safe enough. TODAY THAT DESIGN IS POTENTIALLY AND IN REALITY ALMOST DEADLY! We as amateur radio operators have lost our respect for high voltage, we have almost totally lost our respect for the hot side of the AC line as being different than the neutral side. Many older AC receptacles are wired backwards - this is a

real and present danger. Any attempt to duplicate Fred's projects should be carefully tempered with some very careful preparation and review of the implications of the design. If your not very confident with your skills and competent in the terms of circa 1935 then please do not get into this, good Boatanchorists are hard enough to find these days.

One last point, miniature light bulbs were rated by both a colour of the glass bead mounting in the center of the bulb which denoted both rated voltage and CURRENT rating. Substitution according to voltage rating only is not enough. The overall resistance of the bulb is critical in the grid circuit of crystal controlled power oscillators. If your not sure get help, using crystals as good \$.25 fuses is hard way to learn.....

Larry

va3lk / wa3zia

From boatanchors@theporch.com Tue Jul 16 20:25:05 1996
From: Jeffrey Herman <jherman@hawaii.edu>
Subject: Re: Fred Sutter, W8QBW, A caution
Message-ID: <Pine.GS0.3.93.960716094917.8819E-100000@uhunix5>

One of the ham projects books in the library includes a couple transmitters with these 117V filament tubes. Each circuit includes a neon bulb across the "power supply" for the rig. When you plug in the rig, if the bulb doesn't light up, then you're supposed to reverse the wall plug... I've never been brave enough to build one of these.

Jeff KH2PZ / KH6

From boatanchors@theporch.com Tue Jul 16 20:25:05 1996
From: "Roberta J. Barmore" <rbarmore@indy.net>
Subject: Re: Fred Sutter, W8QBW, A caution
Message-ID: <Pine.SUN.3.91.960716145951.28892A-100000@indy2>

Hi!

Larry has some very good points in his comments on Fred Sutter's designs.

Most of the gear Fred wrote about was either battery-operated or had a transformer supply. But not all of it; while I haven't found the 117L7/M7 design Larry references, the last Sutter entry in my collection is

an equally dangerous two-tube AC/DC design. Fred's careful to not connect the line to the chassis, but his "fix" leaves the frame of the key with a 50 percent chance of being hot to ground. Don't know about y'all, but I'm in the habit of thinking of the frame of they key as a safe thing to touch!

So that's a problem, and I'd been thinking of it. My plan was to add a page describing a simple isolation transformer made from a couple of Radio Shack/junkbox filament transformers and explaining the reason for using one on transformerless designs...and why it really otta be wired in permanent-like.

I am not too fond of adding to the world's supply of AC/DC ham rigs, but in the interest of completeness, does anyone have the Sutter 117L7/M7 transmitter article? Most likely in a 1940 QST, that being about the only year from '35 through '41 that I haven't got.

A for general HV concerns, while I'd like to think most BA-ers *do* have a closer appreciation of the juice than is typical nowadays, it's nevertheless going to be addressed in the introduction. You never know who might latch onto a copy of the booklet, after all. (But I'll admit that I do tend to assume folks *are* okay with HVDC; this comes of working with the stuff a living).

Pilot lamps, bead color, and The Sad State Of The Art: Fred gives rated current & voltage, bead color, and lamp number. Many lamps are made now with whatever-color-is-handly beads, so it's better to go with the other info if there's any doubt.

So there 'tis.

73,
--Bobbi

From boatanchors@theporch.com Tue Jul 16 20:25:05 1996
From: jproc@worldlinx.com
Subject: Re: Fred Sutter, W8QBW, A caution
Message-ID: <Chameleon.4.01.2.960716172920.jproc@>

>
> So that's a problem, and I'd been thinking of it. My plan was to add
>a page describing a simple isolation transformer made from a couple of
>Radio Shack/junkbox filament transformers and explaining the reason for
>using one on transformerless designs...and why it really otta be wired in
>permanent-like.

Bobbi,

There is a very simple solution to this. If you plan on building an AC/DC rig, terminate the line cord with a polarized connector and plug it into an AC source terminated with an appropriately sized isolation transformer. No need to install the isolation transformer in the rig.

This method anchors the rig to a solitary power source, however, the polarized plug will not allow the rig to be plugged into a regular household outlet. To make things even more authentic, ensure that the 'isolated' power outlet is out of view.

Regards,

Jerry Proc VE3FAB
E-mail: jproc@worldlinx.com
Radio Restoration Volunteer
HMCS Haida Naval Museum
Toronto Ontario

From boatanchors@theporch.com Tue Jul 16 20:25:05 1996
From: "Roberta J. Barmore" <rbarmore@indy2>
Subject: Re: Fred Sutter, W8QBW, A caution
Message-ID: <Pine.SUN.3.91.960716152657.28892C@indy2>

Hi!

On Tue, 16 Jul 1996, Jeffrey Herman wrote:

> [...] ham projects books [...] a couple transmitters with these 117V
> filament tubes. [With...] a neon bulb across the "power supply" for
> the rig. [...]If the bulb doesn't light up, then you're supposed
> to reverse the wall plug...

The neon+resistor typically goes from the "hot" side of the power to ground. This isn't a good fix--worse yet, from a "modern" point of view, it requires the user to actually *think.*

Another BA-er suggested putting a polarized plug on transformerless equipment and using an isolation transformer. If I read it right, that's not a total fix either, since the device can still be plugged into a wall socket (in the US, polarized since the '30s, believe it or not, so if your house was done with bare wires on pillar insulators and clip-leads to the appliances, sue somebody!), and you can't be sure it's wired right way 'round unless you've checked it. Of course, you can use an oddball plug &

socket for the isolated juice (if two hams in countries with different mains-socket standards both wanna do this, the fix is obvious--just swap!).

A very old trick is to just hook up one blade of the plug, and pick up the "neutral" from your ground. It works, but a modern GFI socket won't like it; the National Electrical Code (USA, ymmv under other flags but I bet not) has some real strong words on the topic, too. (And do have a look at what they have to say about grounds that aren't bonded together while you're reading the legalese).

No magic fixes! If'n you're not a casual risk-taker, *hardwire* an isolation transformer. (G-prefixed hams will have to put theirs on the right-hand side, of course).

I admit that I've done without in the past; a voltmeter, a modicum of sense and controlling access to the ham gear go a long way. But It Is Wrong and only a person of unlimited financial resources would advise others to do the same. Besides, I probably used up my lifetime allotment of good sense when I chose broadcasting for a career.

And that's the end of my contributions to this thread! :)

73,
--Bobbi

From boatanchors@theporch.com Tue Jul 16 20:25:05 1996
From: "D. Ragsdale" <doragsda@oboe.aix.calpoly.edu>
Subject: FS: BC-654 - needs TLC
Message-ID: <9607162159.AA57532@oboe.aix.calpoly.edu>

I'm just not going to get to this one before the year 2020, so someone else can give it a try:

BC-654 WWII Transmitter / Receiver. Looks to tune about 3750 - 6000 Khz.
Needs help.

The bad news: missing cabinet, antenna tune knob has spinner broken off, a couple of the tubes are broken, dirty, small door over power supply is slightly bent but easily straightened, fairly minor dings in the front panel OD paint.

The good news: spare tubes are in the sockets, vibrator supply is there, tuning mechanism works smoothly, all other knobs OK, meter face nice. No apparent mods.

Very restorable, I think.

\$60.00 plus shipping from zip 93401, firm.

If more than one person happens to want this, e-mail me and at 1500 on 17 July I'll pick a name out of a hat and that person gets it. (OK, maybe it'll be a box instead of a hat).

73

Dave
KF6BOM

David Ragsdale, R.E.H.S. Risk Management
California Polytechnic State University, San Luis Obispo, CA
du651@oasis.calpoly.edu or doragsda@cymbal.aix.calpoly.edu

From boatanchors@theporch.com Tue Jul 16 10:36:32 1996
From: Larry Keith <KQ4BY@ix.netcom.com>
Subject: FS: Dynamotors
Message-ID: <31EB76DB.651E@ix.netcom.com>

For the 999th Green Radio Group (Heavy), I have the following Dynamotors that are excess to my needs:

1. Dynamotor DM-28-Q. 27.9 volts in, 224 volts out. Mounted on aluminum base that includes a dual section electrolytic. Manufactured by Wells Gardner Co. Dirty and has a couple of paint chips. Not tested. weight: 6 lbs. \$15.00 + shipping.
2. Dynamotor type 6936. 28 volts in, 250 volts out. Mounted on aluminum base. Connector on base appears to be correct for ARC-5. Manufactured by Continental Electric Co, Inc. Several paint chips and dirty. Weight: 3 lbs. Not tested. \$15.00 + shipping.

If you are interested in either of these, e-mail me. Shipping is from zip 31088 (Warner Robins, GA).

73,

Larry, KQ4BY
KQ4BY@IX.NETCOM.COM

From boatanchors@theporch.com Tue Jul 16 20:25:05 1996

From: BRICKEY_PETER@Tandem.COM
Subject: FS: KWM-1 Noise Blanker
Message-ID: <199607160843.AA313@POST.TANDEM.COM>

Hi;

Before placing this in ER, I thought that I would give the list members a chance. I picked up a Collins 136B-1 Noise Blanker to use in my KWM-2A and never got around to installing it. This was because the KWM-2A manual only discussed the 136B-2 NB, no mention was made of the 136B-1 NB.

I recently picked up a KWM-1 manual and discovered that the 136B-1 noise blanker was for that unit. Last month I picked up a 136B-2 NB for my KWM-2A so now have little use for the first one.

So, I have a 136B-1 NB that is surplus to my needs. It has never been installed as the wires/cables have never been soldered. It does not have the 9 pin plug nor does it have the dual control that replaces the RF gain pot (should be easy to find), but it does come with a manual.

I would like to get \$135 for the unit plus shipping from ZIP 95030.

73's
Peter

From boatanchors@theporch.com Tue Jul 16 10:36:32 1996
From: Bob Rolfness <rsrolfne@atnet.net>
Subject: FS: Manuals
Message-ID: <31EB120C.6AD@atnet.net>

Dear BA people. In the attic of my father's house I found the manuals listed below. I'm not a collector. If you are interested in anything, please email me direct.

MULTIMETER TS-297/U
TM 11-5500 AFM 101-10 Aug. 1948
Softcover with Supplement April 1992
Condition: Fair

INSTRUCTION MANUAL FOR MODEL 221 VACUUM TUBE VOLT-OHM METER
Eico Instrument Company Not Dated (Early 1950s)
Condition: Fair

TEST DATA FOR ELECTRON TUBE TESTS SETS TV-7/U; TV-7A/U; TV-7B/U; TV-7D/U
TB 11-6625-274-12/1 17 JAN 1962
Condition: Missing front cover

INSTRUCTION MANUAL MULTIPHASE EXCITER MODEL 20A
Central Electronics, Inc. March 1954
Condition: Complete, but Poor (This is really a
collection of mimeographed sheets)

INSTRUCTIONS MODEL OQ-2 VACUUM TUBE TESTING EQUIPMENT
Navy Dept. Bureau of Ships Sept. 1942
Condition: Good

SIGNAL GENERATOR I-222-A
TM 11-1082 War Dept. July 1944
Condition: Good

1.5 KVA KOHLER POWER UNIT MODEL IM21-A
TM 11-935 War Dept. March 1944
Condition: Good

INSTRUCTION MANUAL - GONSET iCOMMUNICATOR IIIi
Not Dated (About 1958)
Condition: Good

INSTRUCTION MANUAL - REMOTE CONTROL CONSOLE MODEL PA8270-M
Motorola Aug. 1952
Condition: Excellent

PARTS TRANSMITTER DISTRIBUTOR BULLETIN NO. 1041 ISSUE 4
Teletype Corp. March 1942
Condition: Excellent

INSTRUCTION BOOK MOBILE ENGINE GENERATOR NAVY MODEL E A T
NAVSHIPS 900.542.1
Navy Dept. Bureau of Ships June 1945
Condition: Excellent

PRELIMINARY INSTRUCTION BOOK MODEL RBM-5 SEMI PORTABLE RECEIVING EQUIPMENT
Navy Dept. Bureau of Ships March 1944
Condition: Very Good

INSTRUCTION BOOK TYPE CMP-73033 GASOLINE ENGINE ALTERNATOR SET
Navy Dept. Bureau of Ships Jan 1945
Condition: very Good

FUNDAMENTALS OF TELEPHONY

TM 11-678 March 1953
Condition: Very Good, Inked name on cover

BASIC THEORY AND APPLICATION OF VACUUM TUBES
TM 11-662 TO 16-1-255 Feb. 1952
Condition: Very Good, Inked name on cover

FUNDAMENTALS OF SINGLE-SIDEBAND COMMUNICATION
TM 11-685 TO 31R-1-9 Jan 1961
Condition: Very Good, Inked name on cover

SPECIAL PURPOSE OSCILLATORS AND AMPLIFIERS
TM 11-670 July 1952
Condition: Very Good, Inked name on cover

HIGH FREQUENCY TECHNIQUES (EXCLUDING MICROWAVES)
TM 11-667 TO 16-1-284 Oct. 1952
Condition: Very Good, Inked name on cover

RF TRANSMISSION LINES
TM 11-675 August 1951
Condition: Very Good, Inked name on cover

QUICK GUIDE TO MILITARY RESISTORS
Sprague Electric Co. ASP-364A 1965
Condition: Excellent

THE MOBILE MANUAL
ARRL 1960 Softcover 283 pages
Condition: (It all there, but well used)

MARINE CREWMAN'S HANDBOOK
TM 55-501 Oct. 1967
Condition: Good

FREQUENCY METER SETS SCR-211 A, B, thru AL
TM 11-300 July 1944
Condition: Good (This is not the calibration book)

ANTENNA AND RADIO PROPAGATION
TM 11-666 Feb. 1953
Condition: Good, Inked named on cover

TRANSIENTS AND WAVEFORMS
TM 11-669 Nov. 1951
Condition: Good, Inked name on cover

COMMUNICATIONS - ELECTRONICS

FUNDAMENTALS SEMICONDUCTOR THEORY AND CIRCUITS

TM 11-600-2 Dec. 1970

Condition: Very Good, Inked name on cover

ENGINEERING ELECTROMAGNETICS

McGraw Hill Electrical & Electronic Engineering Series

Hardcover 1958 327 pages

Condition: Good

FUNDAMENTALS OF TELEVISION ENGINEERING

McGraw Hill Electrical & Electronic Engineering Series

Hardcover 1955 641 pages

Condition: Good

RCA INTERCHANGEABILITY DIRECTORY OF INDUSTRIAL TYPE ELECTRON TUBES

RCA Corp. Note Dated (About 1959?)

Condition: Excellent

SINGLE SIDE BAND (Promotional Package)

EITEL-McCullough 1957

(Includes Linear Amplifier construction App Notes, Tube data sheets,
engineering notes by John Renartz K6BJ and his signed QSL card)

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73's Bob W7VZX

Moses Lake, WA.

From boatanchors@theporch.com Tue Jul 16 20:25:05 1996

From: Glenn Finerman <GFINER@nms.com>

Subject: Greetings!!

Message-ID: <s1ebc10c.021@nms.com>

Hello to everyone on the list. This is my first posting to the BA list. Sitting in front of those Kenwood, Yaesu and Icom chip boxes for so many years really diminished the excitement of radio like I had when I was a strapping "J.N." (an HLR'ism) WN2QQP. After discovering the Boatanchors group, and sitting down to think about it, I realized what was missing and what I needed to do to recapture that old fun...

TOSS THE CHIP BOXES AND FIRE UP THE BOATANCHORS!!

As a kid in the early seventies, I grew up listening to the AM gang on 3885 from my parents home in West Nyack, NY. finally got my novice ticket and a DX-40 / S-108 and I was in heaven!. I really wanted to join the AM BA gang but for some reason ended up with the sand state bunch (someone probably bent my ear with something like .."what do you want THAT junk for?!!")

I've already unloaded half of my sand state crud and re-invested the funds in some BA's from my past! and guess what!! the fun is back!!
Not so surprising, one of the list members Chris AJ1G, is the guy who sold me that DX-40 way back when and helped me get started!!
THANK YOU CHRIS!!

73 from Glenn N2BJG GFINDER@NMS.COM

From boatanchors@theporch.com Tue Jul 16 20:25:05 1996
From: john <johnmb@borg.mindspring.com>
Subject: Re: Greetings!!
Message-ID: <2.2.16.19960716172719.2a87b448@pop.ral.mindspring.com>

Welcome Glenn,
Your experience is similar to so many others that inhabit this list... and enjoy everything about these fine old pieces!
Best 73,
/John

At 03:22 PM 7/16/96 -0500, you wrote:
>Hello to everyone on the list. This is my first posting to the BA list.
>Sitting in front of those Kenwood, Yaesu and Icom chip boxes for so
>many years really diminished the excitement of radio

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+-----+
|John Brewer johnmb@mindspring.com          |
|WB50AU/4             AMI #24                |
|Vintage Gear web page: http://www.mindspring.com/~johnmb/ |
+-----+
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From boatanchors@theporch.com Tue Jul 16 20:25:05 1996
From: Andy Wallace <wallace@mc.com>
Subject: Re: Hammer Manuals, etc
Message-ID: <9607162107.AA00234@kali>

----- Begin Included Message -----

From: "Allan Fritsche" <fritsche@msn.com>
Subject: Hammer Manuals, etc

Wonder why Hammerlund did that in their manuals, I guess they thought the receivers would be pitched in 5 years anyway, Who Knows.

----- End Included Message -----

More likely, they wanted you to have your gear serviced by their authorized dealers. (Frank Gilmore, hello!) This wasn't always the age of "no user serviceable parts inside." Of course nowadays the disclaimers would be bigger than the manual. I heard one case of a woman suing Eimac because she drove around with a hot 4CX1000 in her lap.

I think this is why I like Drake -- though I've not had cause to, at least you can STILL get their stuff serviced at the factory, probably all the way back to the 1-A. What would Rockwell charge for aligning your 75A?

73,
--Andy
wallace@mc.com

From boatanchors@theporch.com Tue Jul 16 20:25:05 1996
From: Bob Roehrig <broehrig@admin.aurora.edu>
Subject: Heath stuff FS
Message-ID: <Pine.ULT.3.94.960716154859.29831B-100000@admin.aurora.edu>

A friend has the following for sale: \$125 each
Heath SB-303
Heath SB-401

Contact him directly (name is Chuck) at 708-898-1752

E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI
CIS: Data / Telecom Aurora University, Aurora, IL

From boatanchors@theporch.com Tue Jul 16 20:25:05 1996
From: Terry Gaiser <gaiser@lightspeed.net>
Subject: HELP NC-303 Part Needed
Message-ID: <31EBD639.CB3@bak2.lightspeed.net>

I just received this BA this morning and I am very sorry to say that ~~it's~~ UPS has done it again. Obviously by it's size a very heavy package and someone went to pick it up and dropped it on one of it's corners. The result is a cracked, almost into two pieces, dial readout drum and a dent in the lower front corner of the cabinet.

Does anybody have or know of a parts unit that I could purchase a replacement drum ?

Thanks for any possible help,

Terry - N6UR

From boatanchors@theporch.com Tue Jul 16 20:25:05 1996
From: jproc@worldlinx.com
Subject: Improvising Load Resistors
Message-ID: <Chameleon.4.01.2.960716130330.jproc@>

Dear BA'ers,

While we are on the subject of load resistances, there is a cheap way to make your own low value, high wattage power resistors. Case in point - I once had to repair a 6 volt 100 amp power supply. This would require a .06 ohm 600 watt resistor to make the supply draw full current and of course, I didn't have one.

The answer - Using solid #14 AWG plastic covered electrical wire and copper resistance tables, I believe that it was two 75 foot (?) lengths of copper wire attached in parallel that would approximate this resistance. The wire was coiled up and placed in a bucket of water. I came really close to the target resistance, since the current output meter on the supply indicated 84 amps when the power was applied! The water was quite warm to the touch after 5 minutes, but that's all the time that was necessary to prove that I repaired the power supply properly.

This may sound like a crude way to get results, but it certainly worked and cost nothing as the wire was later recycled. Hope this tip helps someone who might fall into a similar situation.

Regards,

Jerry Proc VE3FAB
E-mail: jproc@worldlinx.com

Radio Restoration Volunteer
HMCS Haida Naval Museum
Toronto Ontario

From boatanchors@theporch.com Tue Jul 16 20:25:05 1996
From: Henry van Cleef <vancleef@bga.com>
Subject: Load has been shed
Message-ID: <199607161636.LAA15046@zoom.bga.com>

This is just to let folks know that a bunch of stuff developed feet and walked out of my place over the past few days. I think that I got back to everyone who responded by E-mail---if I missed anyone, my apologies. At any rate, I have reduced the shipping weight of my move to Denver substantially, which was the objective. And everyone who came up here and bought walked out the door with a nice clean refurbished Tek K plugin, reducing my lifetime supply of the things to a manageable number. So my selling activities are over, for the moment.

I've watched the "BOOKS FOR SALE" thread with some dismay. If I want to buy something, I expect to strike a deal with the seller, and have that deal carried out. And if I want to sell something, I try to set terms and conditions that meet my objectives, and leave everyone relatively happy. Certainly, I want my buyers to be satisfied with what they get from me. I was quite specific when I posted that my objective was to avoid additional shipping, and I received responses from buyers who were willing to come get the stuff in all instances, so they were the ones I sold it to. If I could have restricted my posting such that it did not go all over the world, I would have done so. But I did try to be specific in that I wanted to avoid shipping the stuff, either to Denver or to buyers. While I'd planned to be out of here for Denver today, that won't happen for a couple more days.

In the time I've been a participant on this list, I've gotten to know several people here as friends, and when I am buying, selling, or trading, I'm not thinking in terms of setting up a storefront and selling to the general public. I'm also not advertising to a cast of thousands as I would have been in Electric Radio or Antique Radio Classified. What I felt was "I've got this stuff, and I've had my fun with it, and don't really want to move it all, so I'll offer it to people who might help me avoid moving it and who will also have some fun with it." I don't sit here with the idea that "everybody send checks, and I'll ship the stuff to the first check/biggest check, etc." I tried to put fair prices on the equipment I sold, and while they produced a bunch of cash, that cash just about offsets what I've got in

the stuff, valuing my labor at something like \$1.00 an hour. This is a hobby, and I treat it as a hobby. In this case, the buyers who put themselves out to "come get it" did end up with more than I advertised---after all, shedding load is shedding load, and there were some other treasures around here that surfaced as I was getting ready to pack.

I have bid on stuff and bought it, and I have bid on stuff and no deal has been struck. I'm surprised at some of the emotions being put out here---after all, it's all electronic junk and wastepaper. But I like to feel that either buying or selling, the stuff has a price, and when we come to agreement, then carry through on the deal.

--

Hank van Cleef vancleef@bga.com vancleef@tmn.com

From boatanchors@theporch.com Tue Jul 16 10:36:32 1996
From: "Ray L. Mote" <rmote@rain.org>
Subject: New address/phone for ELECTRIC RADIO
Message-ID: <Pine.SUN.3.94.960715232039.3618D-100000@coyote.rain.org>

Got the July issue today. For those who don't take ER, but are considering it, the old address/phone are apparently no longer valid. Barry got tired of shoveling snow on the mountain and moved closer to his printer. <grin> New address and phone are:

14643 Road G
Cortez, CO 81321-9575
(970) 564-9185 phone/fax

His email address <er@frontier.net> is still the same.

73.....Ray Mote, W6RIC <rmote@rain.org> Oxnard, CA

From boatanchors@theporch.com Tue Jul 16 10:36:32 1996
From: Jack Ray <k4mzw@akorn.net>
Subject: New Web Page
Message-ID: <31EC5DCD.3028@akorn.net>

New Site; www.eswitch.com

--

MZê

From boatanchors@theporch.com Tue Jul 16 10:36:32 1996
From: GDePrez@aol.com
Subject: Out of the Shadows
Message-ID: <960716022125_577656920@emout18.mail.aol.com>

greetings, gang-

As a long-time "lurker," I'm now contributing to the bitstream so that a decent-looking boatanchor may find a worthy home...but first, for those that follow the diaries of "re-discovery," mine starts last fall, when I tested "Yahoo" on my nifty new office Netscape by searching "amateur radio.." and was led to "Sunsite - 3 day Boatanchor Digests..." and found therein this eternal thread of chat on all things (well, most things) TUBE. Thus were latent high school-era memories tweaked of me tearing down old TVs for parts and setting up the novice shack in my bedroom closet, with recycled DX-40 and newly-built HR-10 (the most glorious and anticipated Christmas gift ever) at the center and "WN6SPI" handprinted on postcards for QSLs. The hardware slowly disappeared as college and career intervened; I remember the kid who in 1970 offered me \$15 for the HR-10, but I firmly held out for \$20 - and got it...

Finally found the real "porch," and signed up...and one by one, thanks to ER, ARC, rec.radio.swap, and BA list, a 51S-1 (admired and untouchable in my high school era), an SP-600 (crunched by UPS - but hey, the shipper DID double box - he used TWO layers of cardboard - now restored on their insurance check), and an SX-62A (from Bill Hawkins following shack clearance) have now joined the household, and I'm a happy retro-radio camper again while my kids wonder why everyone sounds like Donald Duck. They'll learn. New problem, though: can't decide - daily - whether to work on boatanchors, listen to 'em, or read about 'em. One of life's happier dilemmas.

Which brings me to 3 items (speedreaders: slow down, here's the meat):

1. Boatanchor sighting. While perusing an old electric fan collection (another passion - "boatprops?" - these appliances are as sturdy, handsome, and worthy as BA's) in a Redwood City, CA, antique hall, I came across a lonely HQ-129X tucked behind a case of old military insignia. "Sponsor me!," it begged, as I checked under the hood...well, ok, here's the pitch for someone in the Bay Area. The radio sits in the "Old DT" booth in the Antique Arcade in Redwood City, 415-368-8267. Radio is in good shape, complete, no rust; nice front panel, with some wear behind bandswitch and RF gain controls. Accompanied by large steel speaker case with Jensen PM speaker (10"?) inside. Radio case and speaker case have been repainted a medium wrinkle grey, nice job. Price tag says \$398. May be some haggle room. If someone gives this puppy a happy home, let me know.

2. The SP-600-JX17 mentioned above arrived with a Collins knob for tuning. Just ain't right. I'd like to find the appropriate tuning knob (and RF gain knob, if also avail) from a junker SP-600 out there (same knob as bandswitch). Can anyone help?

3. Have seen lotsa comments on restoration - but few on Preservation. A "pretty good" Ranger has also moved in, to inspire me to revive the ticket. In the meantime, it's not likely to get turned on much. How should an "inactive" boatanchor be preserved? Pull tubes? Plastic bag it? Keep it out and power up monthly ? Just filaments? B+? Would welcome responses on the list.

Thanks, Greg DePrez GDePrez@aol.com

From boatanchors@theporch.com Tue Jul 16 10:36:32 1996
From: don merz <71333.144@CompuServe.COM>
Subject: PS Load Info Wanted
Message-ID: <960716140530_71333.144_DHB65-14@CompuServe.COM>

I dug an old homebrew item out of the storage bin last weekend that I got from a guy's estate sale long ago. It is carefully labeled "Power Supply Load" and has some big wirewound resistors inside with a muffin fan. The only switch on the front selects 4 values of resistance: .5 ohms, 1.5 ohms, 2.5 ohms and 5 ohms. My question is why were these values chosen? I want to use this thing but I don't understand 1) why all the values are so low, and 2) when to select one value over another. So I come to you seeking enlightenment. What's up with this thing?

SOME WANTS:

Single receiver rack for ARC-5 command set setup. Black wrinkle finish required. Must have connectors intact on rear. With or w/o shockmount. I would also consider a 4-receiver rack if anyone has one for sale or trade.
Forgot to mention: My RAK came sans power supply. I have lots of volts and amps of every description here so power isn't the problem. But I would like to have the original supply just for completeness and authenticity.

Thanks.
73, Don

From boatanchors@theporch.com Tue Jul 16 10:36:32 1996
From: MODSTEPH@ACS.EKU.EDU
Subject: Re: PS Load Info Wanted
Message-ID: <01I74ZAWJ3KY002RP3@ACS.EKU.EDU>

Don wrote:

"Power Supply Load" and has some big wirewound resistors inside with a muffin fan. The only switch on the front selects 4 values of resistance: .5 ohms, 1.5 ohms, 2.5 ohms and 5 ohms. My question is why were these values chosen? I want to use this thing but I don't understand 1) why all the values are so low, and 2) when to select one value over another<<<<<

Possibility - recalls the time I was operating an ART-13 with "original" power supplies: the 28 V supply original selenium rectifier had been replaced with a newer one which had lower internal resistance, so instead of 28 VDC I was getting about 30 or so. This was enough to keep the autotune running from one end to the other without stopping, just back and forth. I needed something to drop just a couple of volts, but at quite high current, which sounds a bit like what you have there.

In my case, rather than come up with a humungous wattage small resistance for the secondary, I loaded the primary down instead: had a foot-long piece of 1x2 on which I mounted three standard screw-in electrical sockets, all wired in series. Wound up with two light bulbs and a heater element such as goes into the old parabolic reflector radiant heaters in them... That was a sight! Got heat, light and it pulled the voltage down to the necessary 28 on the secondary...

That was in 1963 - and had to run the ART-13 only after TV was over (VERY late at night) since was keying it in its original condition and it tended to put out a lot of extraneous clicks, etc...

Some days!!

73, Al N5AIT
modsteph@acs.eku.edu
Richmond, Kentucky

From boatanchors@theporch.com Tue Jul 16 20:25:05 1996
From: jproc@worldlinux.com
Subject: RE: PS Load Info Wanted
Message-ID: <Chameleon.4.01.2.960716124826.jproc@>

> 1.5 ohms, 1.5 ohms, 2.5 ohms and 5 ohms. My question is
> why were these values chosen?

Don,

These are typical resistances for checking low voltage, high current power supplies (ie 5, 12 or 24 volts). I built a load box for myself. It uses the

following fixed power resistors brought out to terminals on a front panel:
.5, .5, 1, 1, 5, 3, 5, 10, 50 ohms. With the use of patch cables, I can make
series and parallel connections to customer tailor a load resistor for the
particular supply under test.

For testing BA power supplies, you would likely need load resistance in the
order of 1k to 5 kohms.

Regards,

Jerry Proc VE3FAB
E-mail: jproc@worldlinx.com
Radio Restoration Volunteer
HMCS Haida Naval Museum
Toronto Ontario

From boatanchors@theporch.com Tue Jul 16 20:25:05 1996
From: n5off@w5ddl.aara.org
Subject: R-390A Construction Specs
Message-ID: <418541@w5ddl.aara.org>

My previous note on this may have crashed, so here goes again.

I have a copy of the 390A construction specs that I am willing to
copy and mail out for BA folks for \$9.

This is a 42 page document which completely describes what a company
would have to do to build a 390A or bid on a contract. It makes
reference to all relevant drawings (separate documents) and other
specs (like painting, corrosion, etc).

It has complete receiver and electrical specs, much more complete than
in any manual. It has production acceptance test procedures, including
temp hi/low, drop, shock, on and on.

There are obscure specs on things like tuning knob shaft torque max at the
stops (its 72 in/pounds btw), filtering, radiation, backlash, frequency
stability vs line voltage, freq variation due to oven cycling, on an on
some more.

Anyway, if you'd like to be included in this one time Kinko run, send
me your niner to:

TF Marcotte

111 Destiny Dr
Lafayette, LA 70506

Drop dead is 7/26, after that I'm off to Kinko/USPS.

73 de tom n5off

From boatanchors@theporch.com Tue Jul 16 10:36:32 1996
From: wt465@freenet.victoria.bc.ca
Subject: RADIO BOOKS AVAILABLE << update >>
Message-ID: <01I74CFM272A90FFKV@KUHHUB.CC.UKANS.EDU>

OK gang,

Judging from the latest response to my FS posting (and the infamous "disclaimer"), public opinion seems to be against me on this one.

In my own defense...

Surely some of you remember selling ham gear and related items through an ad in QST or the Yellow Sheets. Surely you must remember posting for sale a popular piece of equipment and receiving several checks in the mail for the same piece of equipment. What did you do? You cashed the FIRST check to arrive and promptly returned the others with a brief explanation and apology.

Has the selling process really changed all that much? The "disclaimer" was just an attempt to be "up front" about the whole thing. Obviously, it was NOT received that way!

Surely some of you have had the unpleasant experience of advertising a group of items for sale on the Internet only to have someone hold things up by making an offer on multiple items and then not send payment. Think about it...this type of selfish (or thoughtless) action by one individual prevented other buyers (and a SELLER!) from completing a transaction. Hence the idea of the "first-check-received" policy.

I'm not sure if there is any way to win in this game. Seems that no matter what action is taken, somebody is going to feel short changed.

Right now, I'm trying to decide whether to repost the ad or not. My love for old radio gear notwithstanding, I'm not sure whether the \$40 to \$50 that I would make selling the old books is really worth having to sort through the stinging e-mail messages.

73s (I hope!)

Bill Worthington
Eudora, Kansas, USA

From boatanchors@theporch.com Tue Jul 16 10:36:32 1996
From: Jeffrey Herman <jherman@hawaii.edu>
Subject: Re: RADIO BOOKS AVAILABLE << update >>
Message-ID: <Pine.GS0.3.93.960715202012.18984A-100000@uhunix3>

On Mon, 15 Jul 1996 wt465@freenet.victoria.bc.ca wrote:
> Surely some of you remember selling ham gear and related items
> through an ad in QST or the Yellow Sheets. Surely you must
> remember posting for sale a popular piece of equipment and
> receiving several checks in the mail for the same piece of equipment.
> What did you do? You cashed the FIRST check to arrive and promptly
> returned the others with a brief explanation and apology.

But Bill, this would never happen if one simply included their phone number. The first caller gets the rig; to the others: "I'm sorry, rig's sold." No extraneous checks to send back.

Now that I think about it, almost all the ads in the back of QST include *just* a telephone number.

> Has the selling process really changed all that much? The

Not really - now we email rather than calling long distance!

We've got about 400+ folks on here - I think you'd be opening a can of worms if you listed a *really* popular book and were then flooded with checks!

73 Bill,
Jeff KH2PZ / KH6

From boatanchors@theporch.com Tue Jul 16 20:25:05 1996
From: Bill Sorsby <bill.sorsby@dlep1.itg.ti.com>
Subject: Re: RADIO BOOKS AVAILABLE << update >>
Message-ID: <199607161520.KAA14914@dlep1.itg.ti.com>

At 11:58 PM 7/15/96 -0500, Bill Worthington wrote:

>Right now, I'm trying to decide whether to repost the ad or not. My

>love for old radio gear notwithstanding, I'm not sure whether the \$40
>to \$50 that I would make selling the old books is really worth having
>to sort through the stinging e-mail messages.

This sort of response has occurred several times recently. Might some among us be taking this enjoyable and relaxing hobby of "junk" collecting a tad seriously.

It seems to me that the only reason to deal with BoatAnchors is the sheer joy of it. There's more money to be had working for McDonald's (or Wendy's, etc.) than from BoatAnchors. Civility is called for whenever this "junk" is made available.

Regards,
Bill Sorsby, N5BU

P.S. Could someone explain to me how this e-mail originated in Kansas but came to the list via Canada?

bill.sorsby@dlep1.itg.ti.com
Views expressed herein are no one's fault but mine.

From boatanchors@theporch.com Tue Jul 16 20:25:05 1996
From: Paul Bernhardt <bern@ppdu.nrl.navy.mil>
Subject: Report on Ralley "HAM FEST" in England
Message-ID: <Pine.A32.3.91.960716112719.25427B-100000@ppdu.nrl.navy.mil>

Gang,

I am currently spending one week in England for work. On Sunday, I picked up a copy the the British Ham Radio magazine call Practical Wireless. In the July issue, the have a list of ralleys or ham fests. I drove to the one in Brighton in the south of England. They started at 10 and lasted til 4 PM with an entrance fee of 1.5 pounds. The G-call signs were friendly and happy to have a KF4 to talk with.

I purchased a RACAL RA-17L communications receiver for 45 pounds from one SWL. The receiver has 23 valves (ie tubes) and was manufactured in England around 1959. There was no manual with the receiver so I called up RACAL near London and found the man responsible for keeping copies of the technical manuals. He said that he would make a copy and give me one for no charge -- yes no charge -- and I have moved RACAL up to my list of good companies.

I plan to go to another ralley on next Sunday before I fly home on Tuesday 23 July. I may have a major excess baggage problem by then.

Cheerio, Paul Bernhardt, KF4FOR portable G7

From boatanchors@theporch.com Tue Jul 16 10:36:32 1996
From: MODSTEPH@ACS.EKU.EDU
Subject: RE Senior VoltOhmist and Precision Sig Generator
Message-ID: <01I74XT15SM6002RP3@ACS.EKU.EDU>

Thanks to all who responded - I have copies of manuals and schematics on the way (eventually) for both, and discovered a new source for manuals in the process!

Again, thanks.

73, Al N5AIT
modsteph@acs.eku.edu
Richmond, Kentucky

From boatanchors@theporch.com Tue Jul 16 20:25:05 1996
From: billo@nti.net (Bill Wilson)
Subject: Solid state 3rd mixer in Drake R4C
Message-ID: <19960717011507004.AAA317@LOCALNAME>

I was thumbing through some older Ham Radio magazines and came across an article dealing with modding the power supply in the R4C (feb. 1982). The article went on to mention the "solid tube," a product of Sartori Associates, used as replacement for the 6EJ7 mixer in the R4C. It was stated that the mod "effectively eliminate the severe noise generated by the vacuum tubes in the these circuits, it does noticeably reduce large-signal-handling capacity of the receiver."

I just got the general Sherwood catalogue in the mail and a solid state 3rd mixer is available that "eliminates frying, crackling, and microphonics." Has anyone tried this and if so what was your results?

Thanks,

Bill
AC4LC

.....
A component selected at random from a group having 99% reliability will be a member of the 1% group. (QST,feb.'68)
.....

From boatanchors@theporch.com Tue Jul 16 20:25:05 1996
From: "Dave Gow" <dgow@slc.shorelin.wednet.edu>
Subject: Swan 260 and Collins Stuff Needed
Message-ID: <1374591981-4859044@slc.shorelin.wednet.edu>

I in need of any and all manuals, operating and service, for a Swan 260 "Cygnet" transceiver. Copies would be ok. I want to put this unit on the air in its intended application as a mobile/portable rig but it has been "modified" and is only partially functional. I also need a power plug or DC cable for the Swan and a front panel from a Collins 516F2 power supply or S-Line speaker.

Dave Gow, KB7XZ
21819-97 Ave, West
Edmonds, WA 98020
(206)776-4501
dgow@slc.shorelin.wednet.edu
Daily User of: Collins 32S3/75S3B/416F2/312B4/Heathkit SB-220

From boatanchors@theporch.com Tue Jul 16 10:36:32 1996
From: Karan Lee Carruth <klccarru@tenet.edu>
Subject: Re: The film, "Memphis Belle"
Message-ID: <Pine.OSF.3.91.960715225738.12474F-1000000@alpha.tenet.edu>

If I remember correctly, one of the camera men was killed during the last mission of the Memphis Belle.

The original WW-II film on VHS is readily available from just about everyone who sells WW-II videos.

Lenox, WA50VG
klccarru@tenet.edu

From boatanchors@theporch.com Tue Jul 16 20:25:05 1996
From: "Barry L. Ornitz" <u856010@eastman.com>
Subject: Tube Tester Find by Richard Duell

Message-ID: <Pine.ULT.3.91.960716185515.15404G-100000@dua150.kpt.emn.com>

A few years ago, I just missed buying a card programmed Hickok at Dayton. The price was \$15 and as I was quickly withdrawing my wallet, the guy in front of me bought it. Congratulations on Rich's good luck!

The unit I saw used IBM-style punched cards and came with a punch. I wonder if your unit will take the same cards? IBM and others made special Mylar cards for applications like the drum programmer on some keypunches and for frequently used card decks. With a paper cutter, the acetate and Mylar sheets used for overhead projectors might be used.

I had a friend who once had a production tester made by RCA. It took a fair sized rack to hold it. He told me all the card programmed units were similar however. [But I won't necessarily trust this info.]

He said the holes basically allowed the connections of the various socket pins to appropriate voltages. To program a new tube, you merely had to read typical operating conditions from the tube manual and make the proper connections. For example the tester might have several plate and screen voltages available as well as the omnipresent tapped filament transformer. Several load resistances might also be available and several different AC drive voltages for transconductance measurements. You would also need a selection of grid bias voltages.

I would bet that with a tube manual and the cards for some known tubes you could come pretty close to guessing how to select everything. Pick some tubes with the same common socket arrangement, but with different operating conditions.

Alternately, if you have cards, you might select a particular socket pin and read the voltages for different holes punched.

[I guess if I felt like fleecing the wreck.audiophile.golden-ears.tube crowd, I would build a plug-in card for a PC that would program a number of power supplies and do a full characterization of any tube. You have the second best thing! It is great for testing big lots of hamfest tubes, but for troubleshooting I find a tube tester to be of little help. NOTHING beats the substitution of a known-good tube.]

73, Barry L. Ornitz WA4VZQ ornitz@eastman.com

From boatanchors@theporch.com Tue Jul 16 20:25:05 1996
From: Clark Fishman (FSAC) <cfishman@PICA.ARMY.MIL>
Subject: Unbuilt Kits
Message-ID: <9607161619.aa08059@COR6.PICA.ARMY.MIL>

Aren't unbuilt kits just a box of parts???

If you want to show the younger generation something take that unbuilt kit...build it ...and use it....video tape the building and aligning process and show how it turned from a box of parts into a radio...

(The tape will probably be used to record some MTV....oh well)

Clark Fishman WA2UNN cfishman@pica.army.mil

boat anchors ...QRP....and everthing in between

From boatanchors@theporch.com Tue Jul 16 10:36:32 1996
From: "William L. Fuqua III" <wlfuqu00@service1.uky.edu>
Subject: Re: Unbuilt kits?
Message-ID: <199607161358.JAA03729@service1.cc.uky.edu>

In the early 60's I took an electronics class in high school. The second semester had to do with radio and electronics. We built an All-American-5 receiver and after we were done we had to desolder and remove all the components so the next class could do the same. Sometimes components had to be replaced after being reused too many times.

It was a good exercise in soldering techniques. We had bread boarded the circuit before building the kit and aligning it. So we already knew the theory of how it worked.

73

Bill wa4lav

William L. Fuqua III P.E. E-mail WLFUQU00@POP.UKY.EDU Phone (606) 257-4155
Department of Physics and Astronomy CP-177 Chem. Phys. Bldg.
University of Kentucky , Lexington, Ky 40506-0055

From boatanchors@theporch.com Tue Jul 16 10:36:32 1996
From: lblaske@pclink.com (Lee Blaske)
Subject: Unbuilt kits? Carpe Diem!
Message-ID: <v02130502ae10c2f3c849@[204.72.134.53]>

Nick KD4CPL wrote:

>If you've got the urge to build that old kit, send me some mail and lets
>see if we can work something out so that you have fun *and* some history

>gets preserved.

For me, this is an area that gets pretty weird. Having a bunch of unbuilt kits would make me feel like a miser.

I recently saw an ad in the Amateur Radio Trader for some unused Command sets in their original overseas packing for \$100 ea. I decided not to even call, because I wouldn't want to be the one who opened them up. It would almost be like unwrapping a mummy, and I'd be worried about a possible curse. I certainly wouldn't spend a big pile of money to have a box taking up room on a shelf that said "One Command Set (or unbuilt Heathkit for that matter) Inside."

I'm curious about all you unbuilt kit collectors out there. Do you open the boxes and look at the parts, or do you consider the kits more valuable if the boxes have their original tape on them? If the boxes have their original tape, how do you know there's actually a kit inside? Maybe the box is full of bricks. Do serious collectors also own X-Ray machines? Perhaps a tiny endoscope can be slipped through the flap of the box.

I guess unbuilt kits are a historical oddity, but then again, you're probably just postponing the pleasure of kit building to a future generation -- possibly to someone who won't appreciate or savor it as much as you (or a similarly afflicted BA friend) will. Chances are, a Heathkit won't mean as much to someone that didn't grow up with them. For instance, I find spark transmitters interesting, but I don't have the same attachment to them that I have for vintage ham equipment from my youth. I say go for the gusto now! *You* might as well build it and use it while the modes the kit was designed for still exist, and while the spectrum to operate it is still available to us.

Unbuilt kits aren't immortal. Unless you can set up some sort of iron-clad trust, someone will probably build them down the line. Considering the materials in a lot of kits, in a few years the government might break your door down and cart that kit off as hazardous waste to be buried in some underground disposal site. Then you'll be sorry! Either that, or those unbuilt kits will be reduced to dust when an asteroid smashes into the Earth, or squashed to an atomic sub-speck when the universe collapses. It's hard to tell an assembled Heathkit from an unassembled one in a black hole.

The longer you wait, the better the chance that you won't be able to get that kit going. All of the Heathkits I built had some missing or bad parts, and I'm sure that the passage of time isn't doing those unused electrolytics any good.

Better hurry up while those NOS tubes can still hold a vacuum!

73,

Lee AA0EF

From boatanchors@theporch.com Tue Jul 16 10:36:32 1996
From: jml@spider.lloyd.com (Jim Lockwood)
Subject: Re: Unbuilt kits? Carpe Diem!
Message-ID: <m0ug9Wz-001NbnC@spider.lloyd.com>

At 11:10 PM 7/15/96 -0500, Lee Blaske wrote:

>

>I'm curious about all you unbuilt kit collectors out there. Do you open
>the boxes and look at the parts, or do you consider the kits more valuable
>if the boxes have their original tape on them?

I have only a single, unbuilt kit here, an Ameco 2M converter.
Unfortunately, the box was already open when I got the kit.

However....

Had the box still been factory sealed when I took possession of this kit, it
would remain sealed for as long as I owned it.

>

>I guess unbuilt kits are a historical oddity, but then again, you're
>probably just postponing the pleasure of kit building to a future
>generation -- possibly to someone who won't appreciate or savor it as much
>as you (or a similarly afflicted BA friend) will. Chances are, a Heathkit
>won't mean as much to someone that didn't grow up with them.

This is almost certainly true. Similar statements can be made about
virtually any collectible: It means the most to those for whom there is a
personal link to the past.

We are fooling ourselves if we think that these weighty collections we are
building now will mean anything to anyone after we are gone. They won't, in
all likelihood. So what is the point of accumulating all this stuff and
junk? Selfish nostalgia, pure and simple. It reminds us of times and
events that are special to us, not to anyone else.

>

>The longer you wait, the better the chance that you won't be able to get

>that kit going.

But that isn't the focus of keeping the kit unbuilt. As Chuck Penson (I think) pointed out the last time this discussion surfaced, if you want a working example of whatever is sealed in the unbuilt kit box, there are plenty around at swaps; just go get one. There are plenty of Ameco 2M converters "out there" if I really, really want one to use. There are darn few unbuilt kits "out there" and what few there are offer a unique view of amateur radio the way it used to be.

73,

Jim - km6nk

From boatanchors@theporch.com Tue Jul 16 10:36:32 1996
From: dt@artscience.scotborders.co.uk (David Topham - Arts & Science)
Subject: Re: Unbuilt kits? Carpe Diem!
Message-ID: <199607161124.NAA17604@sun.scotborders.co.uk>

>At 11:10 PM 7/15/96 -0500, Lee Blaske wrote:

>>

>>I'm curious about all you unbuilt kit collectors out there. Do you open
>>the boxes and look at the parts, or do you consider the kits more valuable
>>if the boxes have their original tape on them?

I have just one unbuilt kit. (There, you see, I'm even feeling sorta guilty about that: "just one"!)

I like the unbuilt kit as it is because it is from a self-help "teach yourself radio" mail-order school in the late 40's. It came to me in the postal wrappings with postage stamps and addressed - to someone unknown to me, who, for reasons we will never know, never unwrapped the package. Perhaps he died. Perhaps he moved. Perhaps he got a job and had to forgo the promised riches of the radio school (remember the ads?).

I **have** opened the unbuilt kit. It is a purer and better radio than it would ever have been had it been built. The kit has the **promise** of radio, y'know, without the whistles and interference. It is essentially the **perfect concept** of a radio. Frozen at the opened parcel stage, the kit vibrates with the portent of radio, without the frustration of inexpert construction and the searching for lost tools and screws which would surely follow this stage.

Wierdly, the kit is a double negation of entropy. If you built it it would become more ordered, but it could never be un-built to the perfection of its

component parts.

Help. Any psychiatrists out there?

Cheers, David Topham GM3WKB dt@artscience.scotborders.co.uk

From boatanchors@theporch.com Tue Jul 16 20:25:05 1996

From: Nick England <nick@cs.unc.edu>

Subject: Re: Unbuilt kits? Carpe Diem!

Message-ID: <199607161342.JAA24844@altair.cs.unc.edu>

Hey - it is just a hobby. I didn't say it had to make sense !!

You are right about future generations caring little for this stuff, but I hope some time to write an article and give some presentations to local ham clubs about the Golden Era of Kit Building and it will be nice to have some unbuilt kits to show people what it was like. So I'm gonna keep mine as they are for the time being. Who knows, maybe when I retire or am feeling depressed, I'll haul out one and build it for therapy. But I'm not that impatient yet.

I was walking along with a buddy at a hamfest one day and I made some disparaging remark about why someone would set up a table full of embroidered pillows for sale at a hamfest. My buddy looked at me from under his umbrella and through the rain drawled: "Well, Nick, I guess we aren't the only crazy people here."

Have fun & 73,

Nick KD4CPL

playing Scrooge McDuck with the following in the vault:

unbuilt Hallicrafters HT-40K

EICO 720

Lafayette Explor-Air

Johnson Viking Mobile

a couple dozen Heathkits

Nick England nick@cs.unc.edu KD4CPL

<http://www.cs.unc.edu/~nick>

From boatanchors@theporch.com Tue Jul 16 20:25:05 1996

From: Jeffrey Herman <jherman@hawaii.edu>

Subject: Re: Unbuilt kits? Carpe Diem!

Message-ID: <Pine.GS0.3.93.960716095359.8819F-100000@uhunix5>

I'd LOVE to get an unbuilt DX-60B xmtr just so that I'd know who the builder was (me) and that he (me) did a fine job wiring the rig. Only if someone gave me a second unbuilt 60B would I consider leaving it in the box (but possibly use it for spare parts for the first 60B, or wait until the first one completely expired, then build the second one [if I were to live long enough]).

Jeff KH2PZ / KH6

From boatanchors@theporch.com Tue Jul 16 10:36:32 1996
From: "Walter Fairclough" <wfairclo@netcom.ca>
Subject: WTB: Hallicrafters Parts
Message-ID: <199607160453.AAA25435@tor-srs2.netcom.ca>

Into restoring old communications receivers for nostalgic reasons. Looking for the following for a Sky Buddy S19R:

- Schematic/manual
- Main tuning knob
- Bandspread tuning knob
- Band switching knob
- Audio gain knob
- Pitch control knob
- Plastic pointer for main tuning
- Plastic cover (pointer for band spread)
- Band spread dial

These parts are similar to those for S20, S20R, S21, S22, S22R, SX24, SX25 and SX26F. An S19R junker may be the easiest solution.

Also looking for an SX71 junker or just the cabinet (I have the front panel).

Please reply via email to wfairclo@netcom.ca.

Walter

VE3EN
Ottawa, Canada